

ABSTRACT OF THE DISCLOSURE

To provide a nickel based brazing filler metal which does not contain at all boron (B) or phosphorus (P) that is likely to form a hard and brittle compound in the brazed layer, in which the liquidus is lowered below 1,100 °C by adding a small amount of silicon (Si) and is abundant in ductility, heat-resistance and corrosion resistance. This is attained by a nickel based brazing filler metal characterized by containing manganese (Mn) of 13 to 20% by wt. and silicon (Si) of 5 to 7% by wt. added as melting point depression elements and chrome (Cr) of 16 to 21% by wt. and the balance consisting of nickel (Ni) and the impurities.